ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8

Bill No. 1st and Final Bill

BR- 370/30/9/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251750

Serial No. .....

Name of Work Improvements to Roads and Drains at Bhoruka Nagara Baloon factory in ward No. (6)

Name of Contractor of nature of Agency K. R. I.D.L

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Job code No: 006-14-000050						
	Work order No: 406/14-15 D: 21.02.2014						
	Est Amount: Rs. 60.00 Lakhs						
	Date of Recording: 14.8.2014						
1)	Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 m and an average lift upto 0.5m excavated surface levelled and sides neatly dressed etc complete as per specification.						
	Drain Dasilting Road F	2x2	30.00	0.45	0.45	24.30	
		2	15.00	0.45	0.40	5.40	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road H	4×2	30.00	0.45	0.45	48.60	
		2	30.00	0.45	0.40	10.80	
		2	11.00	0.45	0.45	4.45	
	Road I	2	39.00	0.45	0.45	15.79	
	Road J	2×2	30.00	0.45	0.40	21.60	
		2	20.00	0.45	0.45	8.10	
	Road K	5×2	30.00	0.45	0.40	54.00	
		5×2	30.00	0.45	0.45	60.75	
		2	15.00	0.45	0.35	4.73	
	Road L	3×2	30.00	0.45	0.45	36.45	
		2	12.00	0.45	0.40	4.32	
	Road M	4×2	30.00	0.45	0.45	48.60	
		3×2	30.00	0.45	0.40	32.40	
	Road 1	3×2	30.00	0.60	0.45	48.60	
		2	32.40	0.60	0.40	15.41	
	Road 2	2	30.00	0.60	0.45	16.20	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road 3
	Berm cutting :
	Road F
	Road H
	Road I
	Road J
	Road K

ENT BOOK

gth 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurem 8
00	0.45	0.45	48.60	
00	0.45	0.40	10.80	
00	0.45	0.45	4.45	
00	0.45	0.45	15.79	
00	0.45	0.40	21.60	
00	0.45	0.45	8.10	
00	0.45	0.40	54.00	
00	0.45	0.45	60.75	
00	0.45	0.35	4.73	
00	0.45	0.45	36.45	
00	0.45	0.40	4.32	
00	0.45	0.45	48.60	
00	0.45	0.40	32.40	
00	0.60	0.45	48.60	
00	0.60	0.40	15.41	
10	0.60	0.45	16.20	
00	0.60			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251751

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	12.80	0.60	0.45	6.91	
	Road 3	2×2	30.00	0.60	0.45	32.40	
		2×2	30.00	0.60	0.40	28.80	
	Berm cutting:						
	Road E	2×2	30.00	1.25	0.25	37.50	
		2	15.00	1.20	0.20	7.20	
	Road H	3×2	30.00	1.25	0.20	45.00	
		2×2	30.00	1.20	0.25	36.00	
		2	11.00	0.90	0.20	3.96	
	Road I	2	39.00	1.20	0.25	23.40	
	Road J	2×2	30.00	1.20	0.20	28.80	
		2	20.00	1.25	0.25	12.50	
	Road K	5×2	30.00	1.20	0.20	72.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		5×2	30.00	1.10	0.30	99.00	
		2	15.00	1.20	0.25	9.00	
	Road L	2×2	30.00	1.15	0.25	34.50	
		2	30.00	1.20	0.20	14.40	
		2	12.00	1.10	0.20	5.28	
	Road M	4×2	30.00	1.20	0.25	72.00	
		3×2	30.00	1.15	0.20	41.40	
	Road 1	2×2	30.00	1.10	0.30	39.60	
		2	30.00	1.00	0.25	15.00	
		2	32.10	1.10	0.20	14.12	
	Road 2	2	30.00	1.15	0.20	13.80	
		2	19.80	1.20	0.25	7.68	
	Road 3	2×2	30.00	1.25	0.20	30.00	
		2×2	30.00	1.20	0.20	28.80	
		2	30.00	1.15	0.20	13.80	
		2	25.00	1.20	0.25	15.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Office
2)	Providing and laying AS
	@ 180 Kgs using 40mm a
	and fine aggregates @ 0.5

OOK

dth	Depth 6	Contents 7	Reference to last Measurem 8
	0.30	99.00	
	0.25	9.00	
	0.25	34.50	
	0.20	14.40	
	0.20	5.28	
	0.25	72.00	
	0.20	41.40	
	0.30	39.60	
	0.25	15.00	
	0.20	16.12	
	0.20	13.80	
	0.25	7.68	
	0.20	30.00	
	0.20	28.80	
	0.20	13.80	
	0.25	15.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251752

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						1244.64 cum	
						@ Rs. 90.72/cum	112914=00
	2) Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs using 40mm and below size granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.58 cum machine mixed etc complete						
		2	6.30	2.00	0.15	3.78	
		1	6.00	2.00	0.15	1.80	
		2	6.20	2.00	0.15	3.72	
		2	5.90	2.00	0.15	3.54	
		2	7.00	2.00	0.15	4.20	
						16.74 cum	71929=00
						@ 4290.84/cum	

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3) providing and constructing granite/trap/basalt size stone masonary in superstructure with cement mortar 1:6 edges of stone chisselled dressed in course not less than 15cm high bond stones at 2m apart in each course etc complete as per specification.						
		2×2	6.30	0.60	0.90	13.61	
		2	6.00	0.60	0.90	6.48	
		2×2	6.20	0.60	0.90	13.39	
		2×2	5.90	0.60	0.90	12.74	
		2×2	7.00	0.60	0.90	15.12	
						60.26 cum	
						@ 4423.68/cum 266589:-	
	4) providing ruled pointing to courses stone masonary with cement mortar 1:3 20mm deep after raking material, labour joints to depth of 20mm nicely lining including cost of material labour, curing complete as per specification						
		2×2	6.30	—	0.90	22.68	

Bill to be signed final :-

Serial No. .....

Name of Work Improvements and de...

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	5) providing and laying in ... with 20mm and down size ... @ 0.459cum machine mixed ...

NT BOOK

ensions			Contents	Reference to last Measurem
	Breadth 5	Depth 6	7	8
...ball size stone masonary in Superstructure				
...ered in course not less than 15cm				
...ete complete as per specification.				
	0.60	0.90	13.61	
	0.60	0.90	6.48	
	0.60	0.90	13.39	
	0.60	0.90	12.74	
	0.60	0.90	15.12	
			60.26 cum	
		@	4423.68/cum	266589:00
...e masonary with cement mortar 1:3				
...ing to depth & 20mm nicely lining				
...ace as per specification				
	—	0.90	22.68	

Bill not signed final :— M. A. R. 57 (Rule 116) No. B

Measurement Book

Serial No. ..... From ..... To .....

Name of Work Superstructure and casing of ~~Bridge~~ Culvert No. 251753

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	6.00	-	0.90	10.80	
		2×2	6.20	-	0.90	22.32	
		2×2	5.90	-	0.90	21.24	
		2×2	7.00	-	0.90	25.20	
						100.56 Sqm	
					@	77.76/Sqm	7810:00
	5) providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.87 cum and fine aggregates @ 0.459 cum machine mixed concrete laid in layers not exceeding 15cms thick etc complete	2×2	6.30	0.60	0.10	1.51	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	6.00	0.60	0.10	0.72	
		2×2	6.20	0.60	0.10	1.49	
		2×2	5.90	0.60	0.10	1.42	
		2×2	7.00	0.60	0.10	1.68	
						6.70 cum	
						@ 4690.50/cum	31426=00
							31408=00

Assistant Executive Engineer, Byatarayanapura Sub Division, B.M.P. Bangalore 4/8/14

Measurement continued on: 2.9.2014 ಸಹಾಯಕ ಅಭಿಯಂತರರು/ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ 4/8/14

6) Providing and removing centering, shuttering, propping etc and removal of form work for vertical surface such as walls at any thickness including attached pilasters buttresses &c complete

Deck slab	2	6.30	0.60	-	7.56
Bottom	1	6.00	0.60	-	3.60
	2	6.20	0.60	-	7.44
	2	5.90	0.60	-	7.08

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	covering slab sides

ENT BOOK

Dimensions			Contents	Reference to last Measurem
th	Breadth 5	Depth 6	7	8
20	0.60	0.10	0.72	
20	0.60	0.10	1.49	
30	0.60	0.10	1.42	
00	0.60	0.10	1.68	
			6.70 cum	
			@ 4690.50/cum	31426=00
				31408=00
ou:	2.9.2014 ಸಹಾಯಕ ಅಭಿಯಂತರರು			
Shuttering, Propping etc and removal of				
work at any machinery including attached				
30	0.60	-	7.56	
00	0.60	-	3.60	
20	0.60	-	7.44	
90	0.60	-	7.08	

M. A. R. 57 (Rule 116)
Measurement Book

No. B
251754

Serial No. ..... From ..... To .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		2	7.00	0.60	-	8.40	
	covering slab sides	2x2	6.30	-	0.25	6.30	
		2	6.00	-	0.25	3.00	
		2x2	6.20	-	0.25	6.20	
		2x2	5.90	-	0.25	5.90	
		2x2	7.00	-	0.25	7.00	
		9x2	1.80	-	0.25	8.10	
						69.48 cum	
					@	271.08/cum	18835=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7)	providing and laying in position reinforced cement concrete of design mix M20 with opc cement @ 320 kg with 20 mm and down size crushed granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.458 cum etc complete.						
	Culvert Deck slab	2	6.30	1.80	0.23	5.22	
		1	6.00	1.80	0.23	2.48	
		2	6.20	1.80	0.23	5.13	
		2	5.90	1.80	0.23	4.88	
		2	7.00	1.80	0.23	5.80	
	Ramp	2x2	6.30	1.00	0.15	3.78	
		2	6.00	1.00	0.15	1.80	
		2x2	6.20	1.00	0.15	3.72	
		2x2	5.90	1.00	0.15	3.54	
		2x2	7.00	1.00	0.15	4.20	
						39.84 cum	
						@ 5639.76/cum	224695=00

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
8)	providing TMT steel reinforce hooking placing in position wire and anchoring to the co	
9)	scarifying existing stone surface picking up scarified & loom secessitat spreading	

NT BOOK

ensions		Contents	Reference to last Measurem
Breadth 5	Depth 6	7	8
rced cement concrete 1 design mix			
ed down size crushed granite metal			
dtn @ 0.459cum	etc complete.		
1.80	0.23	5.22	
1.80	0.23	2.48	
1.80	0.23	5.13	
1.80	0.23	4.88	
1.80	0.23	5.80	
1.00	0.15	3.78	
1.00	0.15	1.80	
1.00	0.15	3.72	
1.00	0.15	3.54	
1.00	0.15	4.20	
		39.84 cum	
	@	5639.76/cum	224695=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251755

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
8)	providing TMT steel reinforcement for RCC work including straightening, cutting, bending hooking placing in position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members etc complete						
	As per pre measurement recorded vide						
	Page No: 251792-93 of this MB is					35.86 qtl	
					@	7450.92/qtl	267168=00
9)	Scarifying excising stone metal layer upto 75mm thick along with their bituminous surface picking up scarified materials and stacking of old serviceable materials with lead of 100m sequential spreading of the salvaged aggregates etc complete.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road F	1	30.00	5.10	-	153.00	
		1	30.00	(5.1+4.9)	-	150.00	
		1	15.00	(4.9+4.8)	-	72.25	
	Road H	1	30.00	(4.8+5.0)	-	147.00	
		1	30.00	(5.0+4.7)	-	145.50	
		1	30.00	4.70	-	141.00	
		1	30.00	4.70	-	141.00	
		1	30.00	4.70	-	141.00	
		1	11.00	(4.7+4.8)	-	52.25	
	Road I	1	30.00	(5.0+3.9)	-	133.50	
		1	9.00	(3.9+3.5)	-	33.50	
	Road J	1	30.00	(4.5+4.6)	-	136.50	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road K

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	-	153.00	
	-	150.00	
	-	72.25	
	-	147.00	
	-	145.50	
	-	141.00	
	-	141.00	
	-	141.00	
	-	52.25	
	-	133.50	
	-	33.50	
	-	136.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 251756

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Road K	1	30.00	(4.6+4.9)/2	-	142.50	
		1	20.00	4.90	-	98.00	
		1	30.00	5.00	-	150.00	
		1	30.00	(5.0+4.8)/2	-	147.00	
		1	30.00	(4.8+4.9)/2	-	145.50	
		1	30.00	(4.9+5.0)/2	-	148.50	
		1	30.00	5.00	-	150.00	
		1	30.00	5.00	-	150.00	
		1	30.00	(5.0+4.9)/2	-	148.50	
		1	30.00	4.90	-	147.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(4.9+5.0)/2	-	148.50	
		1	30.00	5.00	-	150.00	
		1	15.00	(5.0+5.2)/2	-	76.50	
	Road L	1	30.00	(5.0+4.8)/2	-	147.00	
		1	30.00	(4.8+4.85)/2	-	144.75	
		1	30.00	(4.85+4.9)/2	-	146.25	
		1	12.00	(4.9+5.0)/2	-	59.40	
	Road M	1	30.00	(5.1+5.0)/2	-	151.50	
		1	30.00	5.00	-	150.00	
		1	30.00	(5.0+5.2)/2	-	153.00	
		1	30.00	(5.2+5.1)/2	-	154.50	
		1	30.00	(5.1+5.2)/2	-	154.50	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road 1
	Road 2

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
(4.9+5.0)	-	148.50	
5.00	-	150.00	
(5.0+5.2)	-	76.50	
(5.0+4.8)	-	147.00	
(4.8+4.85)	-	144.75	
(4.85+4.9)	-	146.25	
4.9+5.0)	-	59.40	
(5.1+5.0)	-	151.50	
5.00	-	150.00	
(5.0+5.2)	-	153.00	
(5.2+5.1)	-	154.50	
(5.1+5.2)	-	154.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251757

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Road 1	1	30.00	(5.2+5.3)	-	157.50	
		1	30.00	(5.3+5.5)	-	162.00	
		1	30.00	(5.2+4.2)	-	141.00	
		1	30.00	(4.2+4.3)	-	127.50	
		1	30.00	4.30	-	129.00	
		1	32.10	(4.3+4.6)	-	142.85	
	Road 2	1	30.00	(4.2+4.6)	-	132.00	
		1	30.00	(4.6+4.5)	-	136.50	
		1	30.00	(4.5+4.6)	-	133.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(4.4+4.5)/2	-	133.50	
	Roads	1	30.00	(5.0+5.1)/2	-	151.50	
		1	12.80	(5.1+5.0)/2	-	52.48	
						6100=00 Sqm	
						@ 72.79/Sqm 444019=00	
	Measurement continued on: 17-4-2014						
15)	providing laying spreading and compacting graded stones aggregates to wet mix macadam specification including premixing the material with water at one in mechanical mix plant carriage etc complete						
	Road F	1	30.00	5.10	0.20	30.60	
		1	30.00	(5.1+4.9)/2	0.20	30.00	
		1	15.00	(4.9+4.8)/2	0.20	14.55	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
	Road G	
	Road H	

BOOK

ns		Contents	Reference to last Measurem
eadth 5	Depth 6	7	8
+4.5)	-	133.50	
+5.1)	-	151.50	
+5.0)	-	52.48	
		6100 = 00 kg	
		@ 72.79/kg 444019=00	
		Dk Bhuyan 2/9/14	
On: 17-4-2014			
Graded stones aggregates premixing the material with ete complete			
.10	0.20	30.60	
+4.9)	0.20	30.00	
+4.8)	0.20	14.55	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251758

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Road G	1	30.00	(4.8+5.0)/2	0.20	29.40	
		1	30.00	(5.0+4.7)/2	0.20	29.10	
		1	30.00	4.70	0.20	28.20	
		1	30.00	4.70	0.20	28.20	
		1	30.00	4.70	0.20	28.20	
		1	11.00	(4.7+4.8)/2	0.20	10.45	
	Road H	1	30.00	(5.0+3.9)/2	0.20	26.70	
		1	9.00	(3.9+3.5)/2	0.20	6.66	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road I	1	30.00	(4.5+4.6)	0.20	27.30	
		1	30.00	(4.6+4.9)	0.20	28.50	
		1	20.00	4.90	0.20	19.60	
	Road J	1	30.00	5.00	0.20	30.00	
		1	30.00	(5.0+4.8)	0.20	29.40	
		1	30.00	(4.8+4.9)	0.20	29.10	
		1	30.00	4.90	0.20	29.40	
		1	30.00	(4.9+5.0)	0.20	29.70	
		1	30.00	5.00	0.20	30.00	
		1	30.00	5.00	0.20	30.00	
		1	30.00	(5.0+4.9)	0.20	29.70	
		1	30.00	(4.9+5.0)	0.20	29.70	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency ....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road K
	Road L

BOOK

ons Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
+4.6)	0.20	27.30	
6+4.9)	0.20	28.50	
.90	0.20	19.60	
.00	0.20	30.00	
+4.8)	0.20	29.40	
+4.9)	0.20	29.10	
.90	0.20	29.40	
+5.0)	0.20	29.70	
00	0.20	30.00	
00	0.20	30.00	
+4.9)	0.20	29.70	
+5.0)	0.20	29.70	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 251759

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	5.00	0.20	30.00	
		1	15.00	(5.0+5.2)	0.20	15.30	
	Road K	1	30.00	(5.0+4.8)	0.20	29.40	
		1	30.00	(4.8+4.85)	0.20	28.95	
		1	30.00	(4.85+4.9)	0.20	29.25	
		1	30 12.00	(4.9+5.0)	0.20	11.88	
	Road L	1	30.00	(5.1+5.0)	0.20	30.30	
		1	30.00	5.00	0.20	30.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(5.0+5.2)/2	0.20	30.60	
		1	30.00	(5.2+5.1)/2	0.20	30.90	
		1	30.00	(5.1+5.2)/2	0.20	30.90	
		1	30.00	(5.2+5.3)/2	0.20	31.50	
		1	30.00	(5.3+5.5)/2	0.20	32.40	
	Road 1	1	30.00	(5.2+4.2)/2	0.20	28.20	
		1	30.00	(4.2+4.3)/2	0.20	25.50	
		1	30.00	4.30	0.20	25.80	
		1	32.10	(4.3+4.6)/2	0.20	28.57	
	Road 2	1	30.00	(5.0+5.1)/2	0.20	30.30	
		1	12.80	(5.1+5.0)/2	0.20	10.50	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road 3

Assistant Engineer
Jayatarayanapura
R.B.M.P.

BOOK

ns		Contents	Reference to last Measurem
eadth 5	Depth 6	7	8
+5·2)	0·20	30·60	
+5·1)	0·20	30·90	
+5·2)	0·20	30·90	
+5·3)	0·20	31·50	
+5·5)	0·20	32·40	
+4·2)	0·20	28·20	
+4·3)	0·20	25·50	
30	0·20	25·80	
+4·6)	0·20	28·51	
+5·1)	0·20	30·30	
-5·0)	0·20	10·50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251760

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Road 3	1	30.00	(4.2+4.6)	0.20	26.40	
		1	30.00	(4.6+4.5)	0.20	27.30	
		1	30.00	(4.5+4.4)	0.20	26.70	
		1	30.00	(4.4+4.5)	0.20	26.70	
						1220.00 Cum	
						@ 1121.04/Cum	1367669=00

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement continued on 24.9.2014						
11)	Cleaning the existing WBM road surface including removing of bindings materials and other foreign matter with wire brushes and small picks, sweeping with brooms & soft brushes and finaly dusting with old bags etc complete						
	Qty vide Item No: (9)					6100 : 00 Sq m	
						@ 10.53 / Sq m 64233 : 00	
12)	Providing and applying primer coat from 12.20 to 14.60 Kgs per 10 Sq m for surface of high porosity over prepared surface of granular base with cut back MC-70 or any other bitumen mixed with diesel etc complete						
	Qty vide Item No: (11)					6100 : 00 Sq m	
						@ 142.07 / Sq m 866651 : 00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
13)	providing and laying re batch type HMP processin aggregates & specified gra
	Road F
	Road e

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
-on. 24.9.2014			
cluding removing of bindings bullhers and small pieces, sweeping with old bags etc complete			
(9)		6100 : 00 Rm	
		@ 10.53/Rm	64233=00
12.20 to 14.60 Kgs per 10 Rm			
ace of granular base with sim direct etc complete			
(11)		6100 : 00 Rm	
		@ 142.07/Rm	866651=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251761

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder etc complete						
	Road F	1	30.00	5.10	0.025	3.83	
		1	30.00	(5.1+4.9)	0.025	3.75	
		1	15.00	(4.9+4.8)	0.025	1.82	
	Road G	1	30.00	(4.8+5.0)	0.025	3.68	
		1	30.00	(5.0+4.7)	0.025	3.64	
		1	30.00	4.70	0.025	3.53	
		1	30.00	4.70	0.025	3.53	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	4.70	0.025	3.53	
		1	11.00	(4.7+4.8)/2	0.025	1.31	
	Road H	1	30.00	(5.0+3.9)/2	0.025	3.34	
		1	9.00	(3.9+3.5)/2	0.025	0.83	
	Road I	1	30.00	(4.5+4.6)/2	0.025	3.41	
		1	30.00	(4.6+4.9)/2	0.025	3.50	
		1	20.00	4.90	0.025	2.45	
	Road I	1	30.00	5.00	0.025	3.75	
		1	30.00	(5.0+4.8)/2	0.025	3.68	
		1	30.00	(4.8+4.9)/2	0.025	3.64	
		1	30.00	4.90	0.025	3.68	
		1	30.00	(4.9+5.0)/2	0.025	3.71	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road K

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
70	0·025	3·53	
+4·8)	0·025	1·31	
+3·9)	0·025	3·34	
+3·5)	0·025	0·83	
+4·6)	0·025	3·41	
4·9)	0·025	3·58	
90	0·025	2·45	
0	0·025	3·75	
4·8)	0·025	3·68	
4·9)	0·025	3·64	
0	0·025	3·68	
5·0)	0·025	3·71	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

251762

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30·00	5·00	0·025	3·75	
		1	30·00	5·00	0·025	3·75	
		1	30·00	(5·0 + 4·9)/2	0·025	3·71	
		1	30·00	(4·9 + 5·0)/2	0·025	3·71	
		1	30·00	5·00	0·025	3·75	
		1	15·00	(5·0 + 5·2)/2	0·025	1·91	
	Road K	1	30·00	(5·0 + 4·8)/2	0·025	3·68	
		1	30·00	(4·8 + 4·85)/2	0·025	3·62	
		1	30·00	(4·85 + 4·9)/2	0·025	3·66	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	~~30.00~~ 12.00	(4.9+5.0)/2	0.025	1.49	
	Road 2	1	30.00	(5.1+5.0)/2	0.025	3.79	
		1	30.00	5.00	0.025	3.75	
		1	30.00	(5.0+5.2)/2	0.025	3.83	
		1	30.00	(5.2+5.1)/2	0.025	3.86	
		1	30.00	(5.1+5.2)/2	0.025	3.86	
		1	30.00	(5.2+5.3)/2	0.025	3.94	
		1	30.00	(5.3+5.5)/2	0.025	4.05	
	Road 1	1	30.00	(5.2+4.2)/2	0.025	3.53	
		1	30.00	(4.2+4.3)/2	0.025	3.49	
		1	30.00	4.30	0.025	3.23	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	

C&FC
Road 2
Road 3
24/9/2014.
C&FC
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

NT BOOK

ensions			Contents	Ref. to last Measure
	Breadth 5	Depth 6	7	
(4.9+5.0)	0.025		1.49	
(5.1+5.0)	0.025		3.79	
5.00	0.025		3.75	
(5.0+5.2)	0.025		3.83	
(5.2+5.1)	0.025		3.86	
(5.1+5.2)	0.025		3.86	
(5.2+5.3)	0.025		3.94	
(5.3+5.5)	0.025		4.05	
(4.2+4.2)	0.025		3.53	
(4.2+4.3)	0.025		3.19	
3.0	0.025		3.23	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251763

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
		2	3	4	5	6	7	8
		1	32.10	(4.3+4.6)/2	0.025	3.57	
	Road 2	1	30.00	(5.0+5.1)/2	0.025	3.79	
		1	12.80	(5.1+5.0)/2	0.025	1.31	
	Road 3	1	30.00	(4.2+4.6)/2	0.025	3.30	
		1	30.00	(4.6+4.5)/2	0.025	3.41	
		1	30.00	(4.5+4.4)/2	0.025	3.34	
		1	30.00	(4.4+4.5)/2	0.025	3.34	
						152.50 cu.m	1522157=00

@ 9981.36/cu.m

CB FC
24/9/2014.
C&FC

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(iv) Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading etc complete						
		Qty vide item No. (1)				1244.64 cum	
						@ 72.71 /cum	
						90492/-	
				TOTAL		53,56,481/-	
		KRIDL charges @ 11%				5,89,213/-	
		TPI charges @ 1%				53,565/-	
				TOTAL		59,99,259/-	
	Certificate: certified that the above work done satisfactorily.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Sketch

Assistant Engineer
Byatarayanapura
B.B.M.P.

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬಿ.ಎಂ.ಪಿ ಪೂರ್ವವಿಭಾಗ 24/9/14.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251765

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	59,45,788=00 884116=00 58,61,672=00				IT - 118916 - KST - 237832 - ESI - 386476 Elec - 59438 CSR - 59476 Roy - 75488 - Total 884116=00		